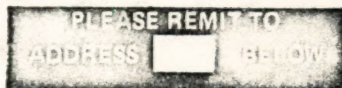


CIRCUIT MODULE OPERATION "CMO"

MUNCY, PENNA. 17756
PHONE: (AREA 717) 546-3191
DUNS: 00-305-0846

INVOICE/SHIP NO.
INVOICE DATE
CON. NO. 8-4087
DATE 11/30/78
PAGE 1 OF 1
REVISION NO.



TERMS: NET THIRTY (30) DAYS

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Mattel Electronics
A Division of Mattel Inc.
5150 Rosecrans Ave.
Hawthorne, Calif.

SHIP
TO

To be retained at CMO
unless/until otherwise
advised

PURCHASE ORDER NO. 31626		PRIME CONTRACT NO. -		REQUESTED SHIP VIA -		PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/>		FOB -	
PRIORITY -	ESTIMATE NO. 1808	PROGRAM -	PROJECT NO. -	ACCOUNT NUMBER 283 P			SOURCE INSPECTION GSI <input type="checkbox"/> CSI <input type="checkbox"/>		

ITEM NO.	QUANTITY ORDERED	DESCRIPTION	REVISION LEVEL	PART NUMBER	QUANTITY SHIPPED	UNIT PRICE	AMOUNT
1	40	<p>This CON is issued to cover the costs for assembly of forty (40) prototype units, Part # 2609-9993 Intel-Vision Video System.</p> <p>Material Costs for this requirement are covered separately by CON #8-4086</p> <p>Note: Units are to be assembled to the maximum point allowable for the performance of required electrical testing of subassemblies. All assembled subassemblies plus other components required to make a complete system are then to be transported to General Instruments, Hicksville, New York for testing of the subassemblies, final assembly and final system test.</p>			10		

[illegible]

P.Q.A. OF LISTED ITEMS HAS BEEN MADE BY ME OR UNDER MY SUPERVISION AND THEY CONFORM TO CONTRACT EXCEPT AS NOTED HEREIN OR ON SUPPORTING DOCUMENTS

GOVERNMENT STAMP APPLIED

SIGNATURE OF GOVERNMENT REP.

CR DR	ACCOUNT NO.	AMOUNT	BATCH NO.	CUSTOMER SALE NO.

CONSIGNEE: NOTE CAREFULLY CONDITION OF PACKAGES BEFORE RECEIPTING IN GOOD ORDER

CLAIMS FOR DAMAGES OR DEFICIENCIES MUST BE MADE WITHIN 30 DAYS AFTER RECEIPT OF GOODS. NO GOODS TO BE RETURNED WITHOUT INSTRUCTIONS FROM US. "WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7 AND 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF."

PACKING LIST OF SUBASSEMBLIES AND COMPONENTS

12/22/78

1. #2609-9479 -- 20 PCS (CONNECTOR)
2. #0405-0822 -- 20 PCS (SCREWS)
3. #0405-0832 -- 60 PCS "
4. #0405-0812 -- 60 " "
5. #0405-0802 -- 60 " "
6. #0405-0842 -- 80 " "
7. #98-260946 -- 20 FT. (RED-10', BLACK-10')
8. #2609-0230 -- 10 PCS. (FISH PAPER)
9. #0405-0852 -- 10 " (PUSHNUTS)
10. #75-260928 -- 20 " (FERRITE BEADS)
11. #2609-9489 -- 1 PC (ADHESIVE FOOT)
12. #76-260915 -- 10 PCS. (CRYSTAL)
13. #91-260917 -- 10 " (SWITCH)
14. #89-260941 -- 10 " (CONNECTOR)
15. #89-260939 -- 10 " "
16. #2609-9609 -- 10 " (ANTENNA SW. ASSY.)
17. #2609-9519X - 10 " (LOGIC BD. ASSY.)
18. #03-260931X - 10 " (TRANSFORMER WITH CONNECTOR)
19. #2609-9539X - 10 " (POWER SUPPLY BD. ASSY.)
20. #64RC1003M0053 10 pcs (CAPS)

Mattel Power Supply Units

Units tested at 120VRMS 25°C.

Loads were as follows:

5V	1.25A
-3V	30ma
12V	300ma
16V	12ma

The above values were recommended by GI 12-20-78

UNIT #	12V	16V	5V	-3V
#1	12.04	13.7	4.90	-2.70
#2	11.9	13.8	4.90	-2.7
#3	12.0	14.0	4.90	-2.7
#4	12.0	13.9	4.90	-2.75
#5	12.0	13.9	4.90	-2.8
#6	12.0	13.9	5.04	-2.8
#7	12.0	14.0	4.88	-2.80
#8	11.98	13.8	4.96	-2.80
#9	12.04	13.9	4.78	-2.76
#10	12.00	13.8	4.92	-2.78

The 5V and 12V supply units will not regulate with 115 volts or less.

CC. J. Gehret
J. Robertson
& Weinsheimer
with shipment.



Electronic Components Group
Circuit Module Operation
P.O. Box 360
Muncy, Penna. 17756
717 546-3191

December 6, 1978

Mattel Electronics
A Division of Mattel Inc.
5150 Rosecrans Ave.
Hawthorne, California 90205

Attention: Mr. Howard L. Cohen, Director of Purchasing

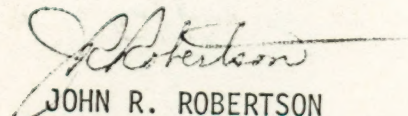
Dear Howard,

Attached for your information and file is a listing of material and a copy of the shipping paper for ten (10) sets of material sent to General Instrument for your prototype requirements.

Should you have any questions, please contact me.

Very truly yours,

GTE SYLVANIA INCORPORATED


JOHN R. ROBERTSON
Sales Engineer

JRR/jce
Attachment

CIRCUIT MODULE OPERATION "CMO"

MUNCY, PENNA. 17756
PHONE: (AREA 717) 546-191
DUNS: 00-30-0846INVOICE/SHIP NO.
INVOICE DATE
CON. NO. 8-4083
DATE 11/15/78
PAGE 1 OF 1
REVISION NO.

TERMS: NET THIRTY (30) DAYS

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Mattel Inc.
Mattel Electronics Division
5150 Rosecrans Ave.
Hawthorne, Calif.Shipping
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O
General Instrument Corp.
Microelectronics Division
600 W. John Street
Hicksville, New York 11802
Attn: Ken Greenberg

PURCHASE ORDER NO. 31604	PRIME CONTRACT NO. -	REQUESTED SHIP VIA ASAP - Best Way	PREPAID <input type="checkbox"/> FOB COLLECT <input type="checkbox"/>
PRIORITY -	ESTIMATE NO. -	PROGRAM -	PROJECT NO. -
ACCOUNT NUMBER 288			SOURCE INSPECTION GSI <input type="checkbox"/> CSI <input type="checkbox"/>

ITEM NO.	QUANTITY ORDERED	DESCRIPTION	REVISION LEVEL	PART NUMBER	QUANTITY SHIPPED	UNIT PRICE	AMOUNT
1	- - - -	<p>This COIL is issued to ship 10 sets of material for the Mattel Video System (Intel-Vision) to General Instruments.</p> <p>This requirement should include all material, with the exceptions of the below listed items, to satisfy the latest parts list (dated 9/26).</p> <p><u>Items to be excluded</u></p> <ol style="list-style-type: none"> 1. All plastics 2. Game Chips (those to be consigned) 3. All hand controller assembly parts 4. All cartridge parts 5. All packing material 6. P. C. Boards 7. R. F. Shields 					

RECAP OF SHIPMENTS TO DATE							TOTAL AMOUNT \$		
DATE	SHIP NO.	TOT. QTY.	ITEM	ITEM	ITEM	ITEM	SHIPPED VIA	B/L NO.	TOTAL CTNS.
2/4/78	605463	See listing					Emery	27838	1

P.O.A. OF LISTED ITEMS HAS BEEN MADE BY ME OR UNDER MY SUPERVISION AND THEY CONFORM TO CONTRACT EXCEPT AS NOTED HEREIN OR ON SUPPORTING DOCUMENTS.

GOVERNMENT STAMP APPLIED				SIGNATURE OF GOVERNMENT REP.	
CR DR	ACCOUNT NO.	AMOUNT	BATCH NO.	CUSTOMER SALE NO.	

CONSIGNEE: NOTE CAREFULLY CONDITION OF PACKAGES BEFORE RECEIPTING IN GOOD ORDER

CLAIMS FOR DAMAGES OR DEFICIENCIES MUST BE MADE WITHIN 30 DAYS AFTER RECEIPT OF GOODS. NO GOODS TO BE RETURNED WITHOUT INSTRUCTIONS FROM U.S. WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7 AND 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 OF THE ACT.

KIT PACKING LIST

Part Number	Description	Quantity
2609-9609	Antenna Switch Assembly	10
0405-0842	Screw 5-20 x 7/16"	0
	Screw 5-19 x 7/16" (Sub for Above)	100
64-RB1003M0053	Ceramic Capacitor, 0.1uf, 20%, 15V	240
2609-0230	Insulator Fish Paper	10
2609-9489	Adhesive Foot	40
0405-0802	Screw 8-18 x 1"	60
0405-0812	Screw 8-18 x 1/2"	60
0405-0822	Screw 6-19 x 1/2"	0
	Screw 6-9 x 1/2" (Sub for Above)	20
0405-0832	Screw 8-18 x 3/4"	60
0405-0812	Pushnut Fastener	10
89-260933	Phonojack for RG59	18 (2 Short)
98-260934	75 Ohm RG59 Cable	150 Ft.
2609-9549	Transformer Assembly	10
89-260935	Connector, 5 Pin	20
2609-9479	Connector to Console, 10 Pin	20
75-260928	Ferrite Bead	260
73-260900	7805C 5V Regulator $\pm 5\%$	10
73-260901	7812C 12V Regulator $\pm 5\%$	10
1N4001	Rectifier, 1 Amp, 50V	90
1N746A	Zener, 3.3V, 5%, 500mw	10
67-AC1007X6031	Aluminum Capacitor, 1,000uf, 35V	10
67-AB1108X5032	Aluminum Capacitor, 11,000uf, 16V	0 (10 Short)
67-AC1006X6033	Aluminum Capacitor, 100uf, 25V	10

Part Number	Description	Quantity
85-CC2W2200J	Resistor, C.F., 220 Ohm, 5%, 1/2W	10
91-260903	Power Switch, 3PDT	10
98-260906	Wire, 22 AWG	90 Ft.
89-260902	Connector, 5 Pin	20
36-260907	Heatsink	10
623343	Rivet	30
85-CC1W1001J	Resistor, C.F., 1K Ohm, 5%, 1/4W	30
85-CC1W47R0J	Resistor, C.F., 47 Ohm, 5%, 1/4W	10
85-CC1W3000J	Resistor, C.F., 300 Ohm, 5%, 1/4W	10
85-CC1W3301J	Resistor, C.F., 3.3K Ohm, 5%, 1/4W	20
85-CC1W5600J	Resistor, C.F., 560 Ohm, 5%, 1/4W	10
85-CC1W1002J	Resistor, C.F., 10K Ohm, 5%, 1/4W	
85-CC1W1000J	Resistor, C.F., 100 Ohm, 5%, 1/4W	10
85-CC1W10R0J	Resistor, C.F., 10 Ohm, 5%, 1/4W	30
85-CC1W4700J	Resistor, C.F., 470 Ohm, 5%, 1/4W	10
85-CC1W2201J	Resistor, C.F., 2.2K, 5%, 1/4W	10
85-CC1Y2003J	Resistor, C.F., 200K, 5%, 1/4W	10
85-CC1W1500J	Resistor, C.F., 150 Ohm, 5%, 1/4W	10
85-CC1W2401J	Resistor, C.F., 2.4K ohm, 5%, 1/4W	40
85-CC1W1301J	Resistor, C.F., 1.3K Ohm, 5%, 1/4W	20
86-260908	Potentiometer, 20K	20
86-260909	Potentiometer, 25K	20
64-RB20R0J0054	Ceramic Capacitor, 20pf, 5%, 15V	10
64-RB1000J0055	Ceramic Capacitor, 100pf, 5%, 15V	10
67-TB1004X6034	Aluminum Capacitor, 1uf, 15V	20

Part Number	Description	Quantity
67-RC1005M6035	Tantalum Capacitor, 10uf, 35V	30
64-RB1002M0056	Ceramic Capacitor, 0.01uf, 15V	10
2N3906	PNP Small Signal Transistor	20
2N3904	NPN Small Signal Transistor	10
74-260911	256x8 RAM, EMM	30
74-260912	Hex Inverter, 7406	10
74-260913	Quad and Gate, 74LS08	10
74-260914	Quad Buffer, 74LS126	20
76-260915	Crystal	10
70-260910	Trimmer Capacitor, 5.1 to 50pf	10
20-260916	Modulator	10
91-260917	Switch SPST	10
91-260918	Switch SPDT	10
89-260918	I.C. Socket, 40 Pin Dip	60
89-260920	I.C. Socket, 18 Pin Dip	10
89-260921	I.C. Socket, 24 Pin Dip	30
89-260922	I.C. Socket, 28 Pin Dip	10
98-260927	Wire, 22 AWG	15 Ft.



Electronic Components Group
Circuit Module Operation
P.O. Box 360
Muncy, Penna. 17756
717 546-3191

December 6, 1978

Mattel Electronics Division
Mattel Incorporated
5150 Rosecrans Avenue
Hawthorne, California 90250

Attention: Mr. Howard L. Cohen, Director of Purchasing

Subject: GTE Sylvania/Mattel Purchase Agreement Component List

Dear Howard,

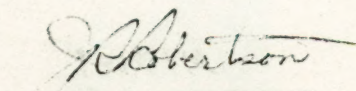
In accordance with paragraph 11A Component Qualification and Documentation of the subject Agreement, attached please find a list of components for the Video Game Products including, where possible, recommended sources for procurement of such components. The base line for this component list is per Exhibit C of the subject Agreement.

Revision C of General Instruments parts list #39-147 dated 11/14/78 as per the direction of your letter dated November 28, 1978 is being evaluated for incorporation into the component list in accordance with paragraph 13 Design Changes.

Please contact me if you have any questions concerning the enclosed.

Very truly yours,

GTE SYLVANIA INCORPORATED


JOHN R. ROBERTSON
Sales Engineer

JRR/jce
Attachment

SHEET 1 OF 1

* Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13, Design Changes.

1.1) Component List, * Specifications and Sources, (continued)

[illegible]

KEY: R=REFERENCE

M= MAKE IN HOUSE
B= BUY

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*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13, Decision Changes.

2609-9993

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1.) Component List, * Specifications and Sources, (continued)

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KEY: R=REFERENCE
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B=BUY
C=CONSIDER

KEY: R=REFERENCE

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) Component List, * Specifications and Sources, (continued)

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*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with the parties' stipulation.

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*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13, Design Changes.

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GTE Sylvania/Mattel Agreement
Exhibit C - Mattel Specification

2609-9109
CONSOLE ASSEMBLY

REV. 1 OF 2

SHEET 1 OF 2

Component List, * Specifications and Sources, (continued)

ITEM	QTY/DASH	UNIT	IDENTIFYING NO.	PKT	PKT	NOMENCLATURE OR DESCRIPTION	SUGGESTED SOURCE	C/G
1	1	Ea.	2609-2109			Console Base		
2	1	Ea.	2609-2149			Tray		
3	6	Ea.	0405-0802			Screw, 8-18x1"	Shakeproof Hi-Lo	
4	6	Ea.	0405-0812			Screw, 8-18x1/2"	Shakeproof Hi-Lo	
5	1	Ea.	2609-9549			Transformer Assembly	Midwest #663P2A	
6	1	Ea.	-			Connector, 5 Pin - For Transformer	Amp #640428-5 Molex KK .156" Series	
7	2	Ea.	0405-0822			Screw, 6-19x1/2"	Shakeproof Hi-Lo	
8	1	Ea.	-			Shield, R. F. Upper		
9	1	Ea.	-			Shield, R. F. Lower		
0	1	Ea.	2609-0230			Insulator, 3" x 4" Fish Paper	Wilmington Fiber, Penn Fiber, Synthane-taylor	
1	4	Ea.	2609-9489			Adhesive Foot, .14" thk. x .5" Dia. Polyurethane	3M #SJ-5012	
2	1	Ea.	2609-9119			Console Cover - Labelled		
3	6	Ea.	0405-0832			Screw, 8-18x3/4"	Shakeproof Hi-Lo	
4	1	Ea.	2609-2129			Button - Reset		

KEY: R: REFERENCE
M: MAKE IN HOUSE
B: BUY
C: CONSIGNED

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13. Design Changes

PL 2609-9993

.) Component List, * Specifications and Sources, (continued)

[illegible]

Y: R=REFERENCE

M= MAKE IN HOUSE
R= BUY

C-CONSIDER

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13. Design Changes.

2609-9993

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GTE Sylvania/Mattel Agreement
Exhibit C - Mattel Specification

) Component List, * Specifications and Sources, (continued)

[illegible]

Y: R=REFERENCE

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*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13, Design Changes.

2609-9993

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SHEET 1 OF 21

SHEET 9 OF 21

1.) Component List, * Specifications and Sources, (continued)

[illegible]

KEY: R=REFERENCE
M=MAKE IN HOUSE
B=BUY
C=CONSIGN

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13, Design Changes.

2609-9993

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ance with paragraph 13. Design Changes.
ance in accordance with paragraph 13. Design Changes.

GTE Sylvania/Mattel Agreement
Exhibit C - Mattel Specification

1.) Component List, * Specifications and Sources, (continued)

[illegible]

KEY: R=REFERENCE
M=MAKE IN HOUSE
B=BUY
C=CONSIGNEE

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13. Design Changes

PL 2609-9993

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11 OF 21

.) Component List, * Specifications and Sources, (continued)

SHEET 13 OF

GTE Sylvania/Mattel Agreement
Exhibit C - Mattel Specification

TITLE Power Supply Board Assembly

1.) Component List, * Specifications and Sources, (continued)

REV. — SHEET 1 OF 2

ITEM	QTY/DASH	UNIT	IDENTIFYING NO.	PKT	PKT	NOMENCLATURE OR DESCRIPTION	SUGGESTED SOURCE	C/O
1	1	Ea.				IC1 - 7805C Positive Voltage Regulator, 5V \pm 5%, TO-220 Package	Signetics, TI, National, Fairchild, Motorola, NEC	
2	1	Ea.				IC2 - 7812C Positive Voltage Regulator, 12V \pm 5%, TO-220 Package	Signetics, TI, National, Fairchild, Motorola, NEC	
3	8	Ea.				D1-D8: IN4001, Rectifier, 1 Amp. 50V	GI, ITT, Fairchild	
4	1	Ea.				D9 - IN746A, Zener, 3.3V, 5%, 500 mW	NPC, Motorola, Siemens, Fairchild, NEC, ITT	
5	1	Ea.				C1 - Aluminum Cap., 10,000 uF, -10 +100%, 16V, Axial	United Chemi-Con #16TAL10000, Nichicon, Elna, Illinois Cap.	
6	1	Ea.				C2 - Aluminum Cap., 100 uF, -10 +100%, 5V, Axial	United Chemi-Con #25TAL100, Elna, Nichicon, Illinois Cap.	
7	3	Ea.				C4,5,6 - Ceramic Cap., 0.1 uF, 20% 15V, Z5U, Radial	Centralab Type 20DU, Erie Transcap, Dilectron Type RT, Murata, KCK	
8	1	Ea.				R1 - Carbon Film, 220 Ohm, 5%, $\frac{1}{2}$ W	Airco, R-Ohm, ICC	
9	1	Ea.				C3 - Aluminum Cap., 1000 uF, -10 +100%, 25V, Axial	United Chemi-Con #35TAL1000, Elna, Nichicon, Illinois Cap.	
10	1	Ea.				Power Switch, 3PST Slide	UID #SW432-SD-L0-S-B1-JK	

KEY: R-REFERENCE

M-MAKE IN HOUSE

B-BUY

C-CONSIGNED

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with Paragraph 13, Design Changes.

PL 2609-9993

REV

SHEET 14 OF 21

.) Component List, * Specifications and Sources, (continued)

[illegible]

Y: R=REFERENCE

M= MAKE IN HOUSE
B= BUY

CONSIDER

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13. Doctra Change

PL 2609-9993

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GTE Sylvania/Mattel Agreement
Exhibit C - Mattel Specification

TITLE Logic Board Assembly

Component List, * Specifications and Sources, (continued)

REV. — SHEET 1 OF 6

ITEM	QTY/DASH		UNIT	IDENTIFYING NO.	R P K	R P K	NOMENCLATURE OR DESCRIPTION	SUGGESTED SOURCE	C/C
1		2	Ea.				R1, 5 - Resistor, Carbon Film, 1K Ohm, 5%, 1/4W	Airco, R-Ohm, ICC	
2		1	Ea.				R2 - Resistor, Carbon Film, 47 Ohm 5%, 1/4W		
3		1	Ea.				R4 - Resistor, Carbon Film, 300 Ohm 5%, 1/4W		
4		2	Ea.				R7, 8 - Resistor, Carbon Film, 3.3K Ohm, 5%, 1/4W		
5		1	Ea.				R9 - Resistor, Carbon Film, 560 Ohm 5%, 1/4W		
6		1	Ea.				R10 - Resistor, Carbon Film, 10K Ohm, 5%, 1/4W		
7		1	Ea.				R11 - Resistor, Carbon Film, 100 Ohm, 5%, 1/4W		
8		3	Ea.				R13, 14, 23 - Resistor, Carbon Film 10 Ohm, 5%, 1/4W		
9		1	Ea.				R16 - Resistor, Carbon Film, 470 Ohm 5%, 1/4W	Airco, R-Ohm, ICC	

KEY: R= REFERENCE
M= MAKE IN HOUSE
B= BUY
C= CONSIGNED

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13, Design Changes.

PL 2609-9993

GTE Sylvania/Mattel Agreement
Exhibit C - Mattel Specification

TITLE Logic Board Assembly

Component List, * Specifications and Sources, (continued)

REV. _____ SHEET 2 OF 6

ITEM	QTY/DASH	UNIT	IDENTIFYING NO.	K Ω K	M Ω M	NOMENCLATURE OR DESCRIPTION	SUGGESTED SOURCE	C/C
10	1	Ea.				R17 - Resistor, Carbon Film, 2.2K Ohm, 5%, 1/4W	Airco, R-Ohm, ICC	
1	1	Ea.				R18 - Resistor, Carbon Film, 200K Ohm, 5%, 1/4W		
2	1	Ea.				R30 - Resistor, Carbon Film, 150 Ohm 5%, 1/4W		
3	3	Ea.				R3, 6, 15 - Resistor, Carbon Film TBD, 5%, 1/4W		
4	3	Ea.				R19, 20, 21 - Resistor, Carbon Film TBD, 5%, 1/4W		
5	3	Ea.				R22, 26, 27 - Resistor, Carbon Film TBD, 5%, 1/4W	Airco, R-Ohm, ICC	
6	3	Ea.				R24, 25, 28 - Potentiometer, Carbon, 20%, 1/4W @ 55°C, 270° Rotation, P/C Mount, .65" Dia., Open Construction	Piher PT 15YD, Stackpole, CTS U201	
7	1	Ea.				R29 - Potentiometer, Carbon, TBD, 20%, 1/4W @ 55°C, 270° Rotation, P/C Mount, .65" Dia., Open Construction	Piher PT 15YD, Stackpole, CTS U201	

KEY: R=REFERENCE

M=MAKE IN HOUSE

B=BUY

C=CONSIGNED

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13, Design Changes.

PL 2609-9993

REV

SHEET 17 OF 21

GTE Sylvania/Mattel Agreement
Exhibit C - Mattel Specification

TITLE Logic Board Assembly

1.1.) Component List, * Specifications and Sources, (continued)

REV. _____ SHEET 3 OF 6

ITEM	QTY/DASH	UNIT	IDENTIFYING NO.	Σ W X	Σ W X	NOMENCLATURE OR DESCRIPTION	SUGGESTED SOURCE	C/C
18	1	Ea.				C1 - Ceramic Cap., 20pF, 5%, 15V, NPO, Radial	Centralab Type 2DDT, Erie Type 801, Dilectron, Murata, KCK	
19	20	Ea.				C4-22, 24 - Ceramic Cap., 0.1uF, 20% 15V, Z5U, Radial	Centralab Type 2DDU, Erie Transcap, Dilectron Type RT, Murata, KCK	
20	1	Ea.				C25 - Ceramic Cap., 100pF, 5%, 15V NPO, Radial	Centralab Type 2DDT, Erie Type 841, Dilectron, Murata KCK	
21	2	Ea.				C3, 26 - Aluminum Cap., 1uF, -10 +100%, 15V, Axial	United Chemi-Con 16TAL1, Illinois Capacitor, Elna, Nichicon	
22	3	Ea.				C27,28,30 - Solid Tantalum Cap., 10uF, 20%, 35V, Radial	Sprague 199D, Kemet T392D, Elna, ITT, NEC	
23	1	Ea.				C31 - Ceramic Cap., .01uF, 20%, 15V, Z5U, Radial	Centralab Type 2DDU, Erie Transcap, Dilectron Type RT, Murata, KCK	
24	1	Ea.				D1 - Rectifier, IN4001, 1 Amp, 50V	GI, ITT, Fairchild	
25	2	Ea.				Q1,2 - 2N3906, PNP Small Transistor	Fairchild, National, ITT, NPC, NEC, Motorola, T.I.	

KEY: R= REFERENCE
M= MAKE IN HOUSE
B= BUY
C= CONSIGNED

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13, Design Changes.

PL 2609-9993

SHEET 18 OF 21

GTE Sylvania/Mattel Agreement
Exhibit C - Mattel Specification

TITLE Logic Board Assembly

1.1.) Component List, * Specifications and Sources, (continued)

REV. — SHEET 4 OF 6

ITEM	QTY/DASH		UNIT	IDENTIFYING NO.	מכא	מכא	NOMENCLATURE OR DESCRIPTION	SUGGESTED SOURCE	C/C
26	1		Ea.				Q3 - 2N3904, NPN Small Signal Trans.	Fairchild, National, ITT, NPC, NEC, Motorola, I.I.	
27	1		Ea.			C	IC1 - CP1610, uP	GI	
28	1		Ea.			C	IC2 - RA-3-9600, RAM	GI	
29	1		Ea.			C	IC3 - R0-3-9504, 2KX10 ROM	GI	
30	1		Ea.			C	IC4 - AY-3-9600, STIC	GI	
31	1		Ea.			C	IC5 - R0-3-9503, 16K ROM	GI	
32	1		Ea.			C	IC6 - AY-3-8910, PSG	GI	
33	1		Ea.			C	IC9 - R0-3-9502, 2KX10 ROM	GI	
34	1		Ea.			C	IC10 - AY-3-8915, Color	GI	
35	3		Ea.				IC7, 8, 12 - 256x8 RAM	EMM-Semi 3539 UCP	
36	1		Ea.				IC11 - 7406, Hex Inverter	Fairchild, National, TI, Signetics, NEC	
37	1		Ea.				IC13 - 74LS08, Quad and Gate	Fairchild, National, TI, Signetics, Motorola	

KEY: R: REFERENCE

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*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 13. Design Changes.

PL 2609-9993

GTE Sylvania/Mattel Agreement

Exhibit C - Mattel Specification

TITLE Logic Board Assembly

.) Component List, * Specifications and Sources, (continued)

REV. — SHEET 5 OF 6

ITEM	QTY/DASH	UNIT	IDENTIFYING NO.	KEY	NOMENCLATURE OR DESCRIPTION	SUGGESTED SOURCE	C/C
18	2	Ea.			IC14,15 - 74LS126, Quad Buffer	Fairchild, National, TI, Signetics, Motorola	
19	1	Ea.			XTL - Crystal, 3.579545 MHZ, $\pm 0.01\%$	Erie, Electro-Dynamics Reeves-Hoffman, Q-Matic	
20	1	Ea.			C2 - Trimmer Cap., 5.1-50pF, .35" Dia., P/C Mount	Matsushita #ECV-1ZW50X321H Sprague-Goodman #6KD50000	
21	1	Ea.			REF - Modulator	Astec #UM1285	
22	1	Ea.			S1 - SPST Switch	CTS Dwg. C1690A	
23	1	Ea.			S2 - SPDT Slide Switch, P/C Mount	UID #SL-012-SD-TO-P-B1-EK-CE	
24	1	Ea.			Connector, P/C Card Edge, 44 Pin	Methode	
25	6	Ea.			Ferrite Bead, .20" ID, .38" OD, 19"L	Fair-Rite #5961001103, Ferronics #11-220K 1	
26	6	Ea.			IC Socket, 40 Pin DIP	T.I. #C8540-01, Augat, Cambion	
27	1	Ea.			IC Socket, 18 Pin DIP	T.I. #C8518-01, Augat, Cambion	
28	1	Ea.			IC Socket, 28 Pin DIP	T.I. #C8528-01, Augat, Cambion	
29	1	Ea.			Connector, 6 Pin - To P/S Board	Amp #640428-6 Molex KK.156" Series	

KEY: R=REFERENCE

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C=CONSIGNEE

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PL 2609-9993

REV

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SHEET 20

OF 21

1.) Component List, * Specifications and Sources, (continued)

[illegible]

KEY: R=REFERENCE
M=MAKE IN HOUSE
B=BUY

*Detailed drawings and specifications on these components remain to be completed by Mattel and will be incorporated into this Exhibit in accordance with paragraph 12. Design Changes

2609-9993

REV 21 OCT 21



Howard L. Cohen
Director of Purchasing

November 28, 1978

GTE Sylvania
Electronic Components Group
P.O. Box 360
Muncy, PA 17756
Attn: John Robertson

Dear John,

In accordance with the terms of the Contract, please supply a cost effect for the Video Console per the changes detailed in Revision C of the Bill of Materials dated 11/14/78.

These changes can be summarized as follows:

Logic Board

Changed values of 25 parts
Deleted 4 Trimpots
Added 4 Diodes
Added 3 Inductors
Added 4 I.C.'s
Added 3 Zener Diode's

Power Supply Board

Changed value of 1 part
Added 4 Inductors
Added 6 Capacitors

These parts should not require any obsolescence of parts since procurement has not begun to date. Your immediate reply would be appreciated.

Sincerely yours,

Howard L. Cohen

cc: Ed Krakauer